

(The following are the names of the persons who have been elected to the various offices of the Association, as reported by the Secretary.)

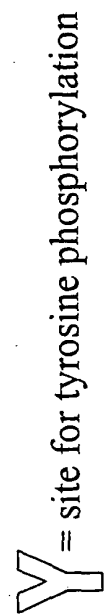


FIG. 1

Enhanced inhibition of NFAT by PAG with mutation of its PDZ-binding motif

FIG. 2 A.

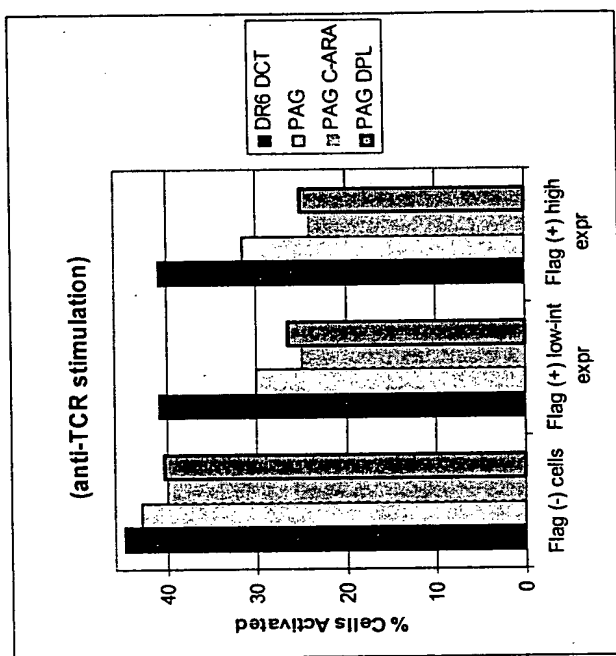
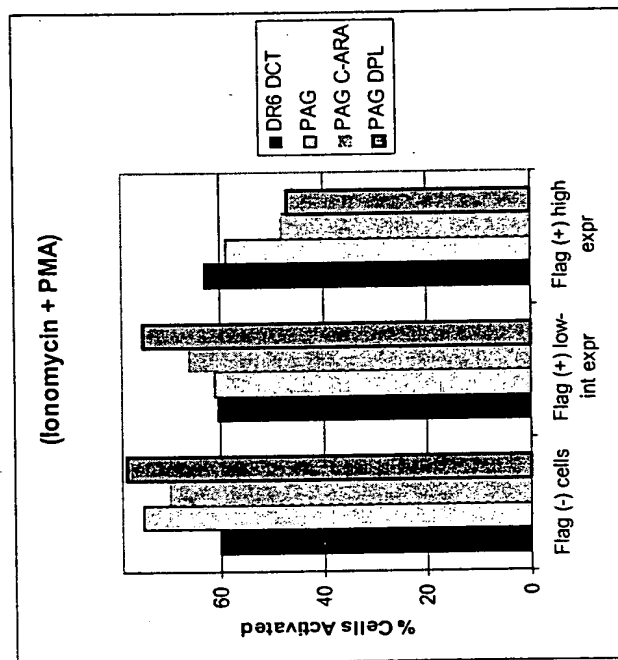
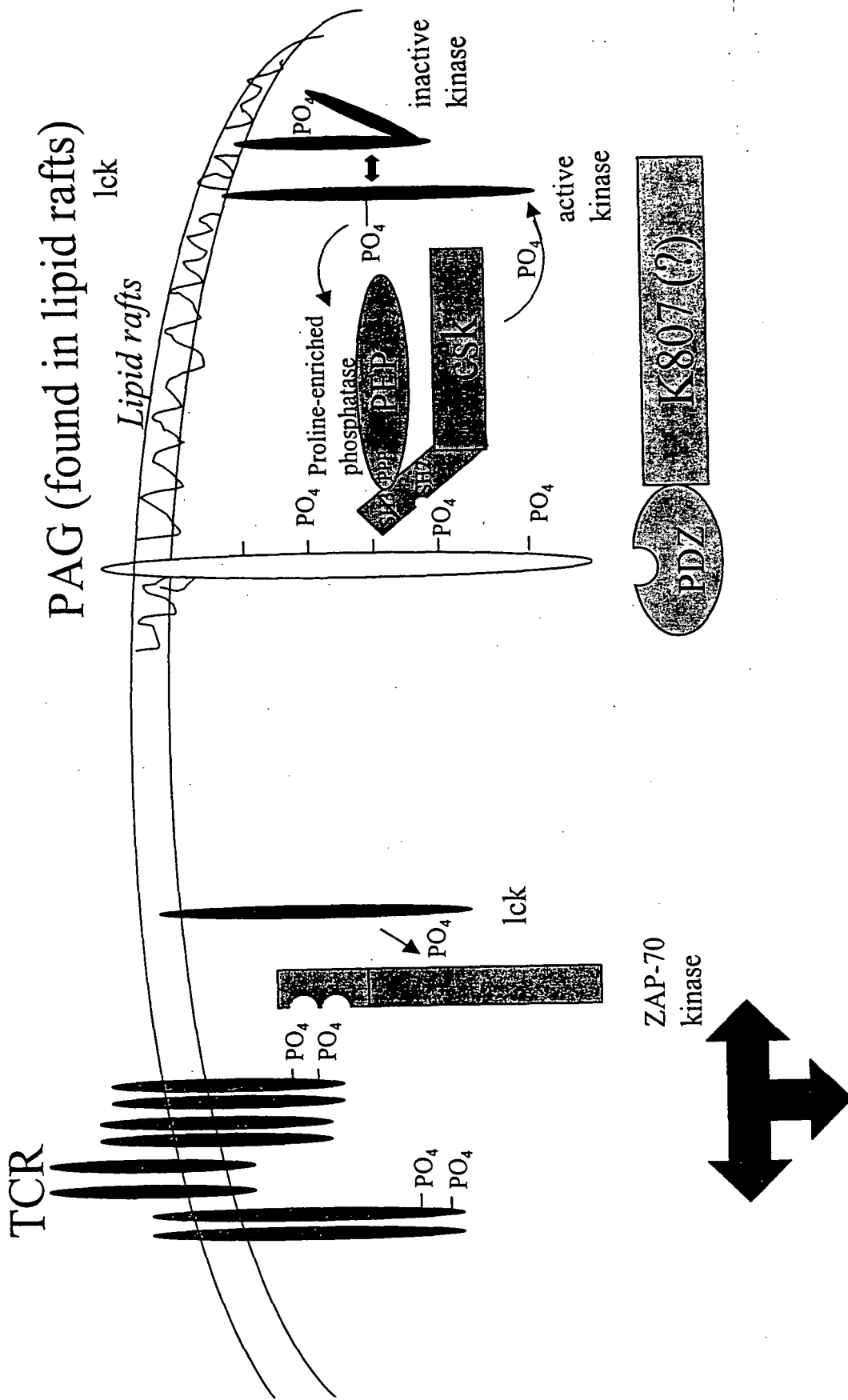


FIG. 2 B.





Signal transduction

FIG. 3

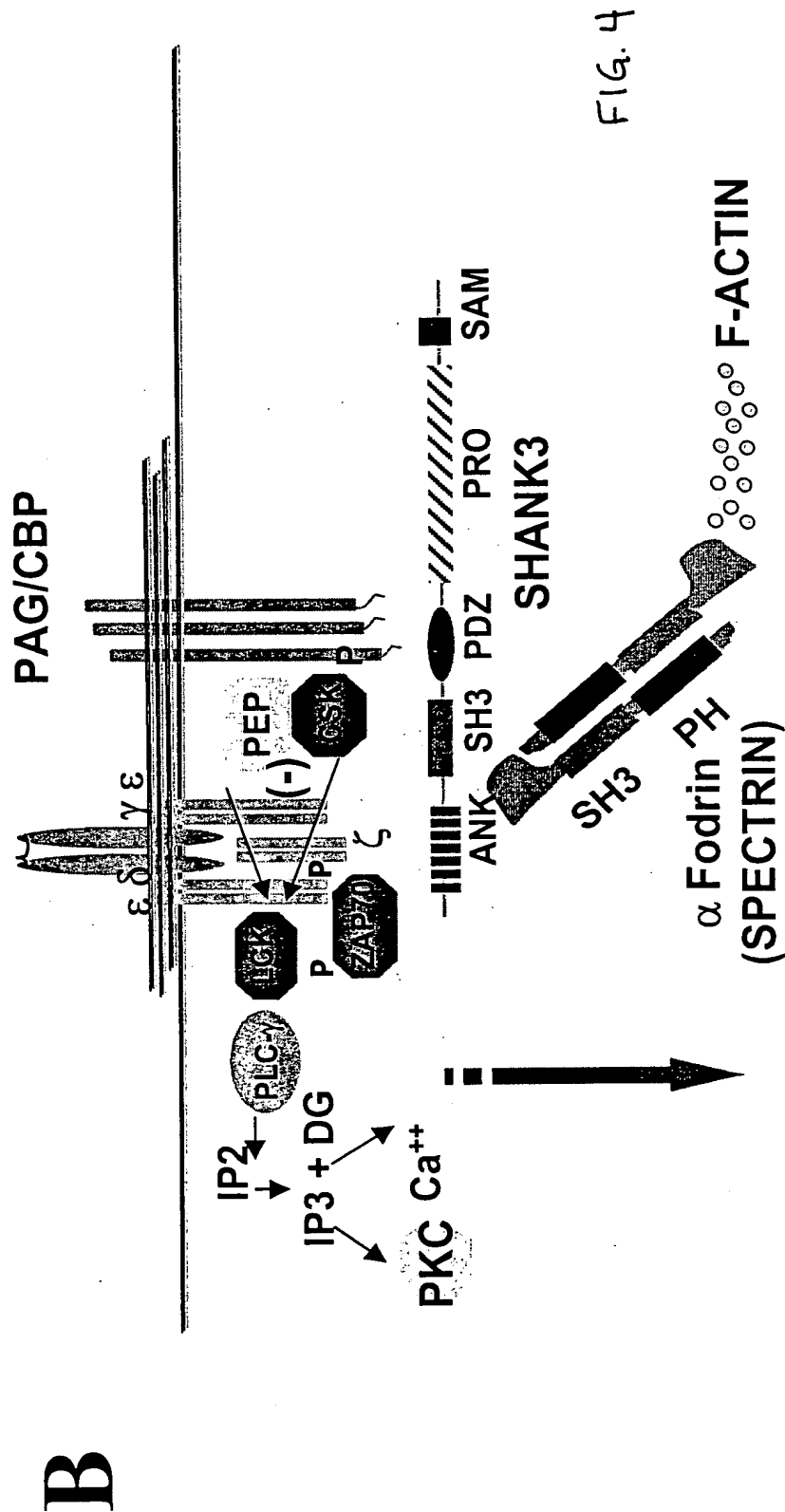
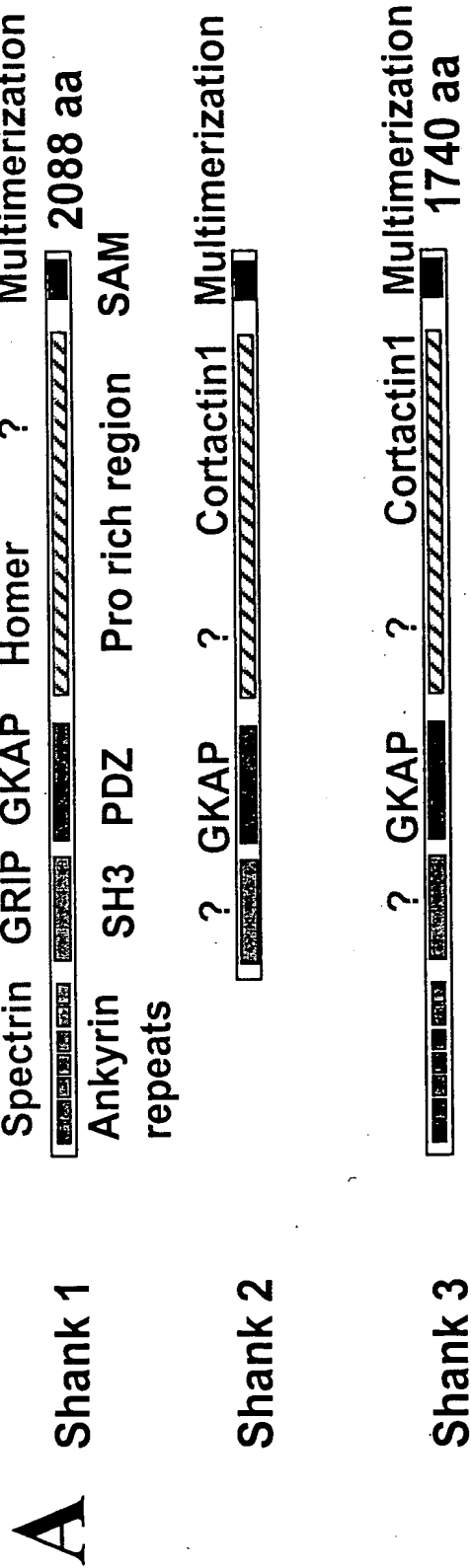


FIG. 4

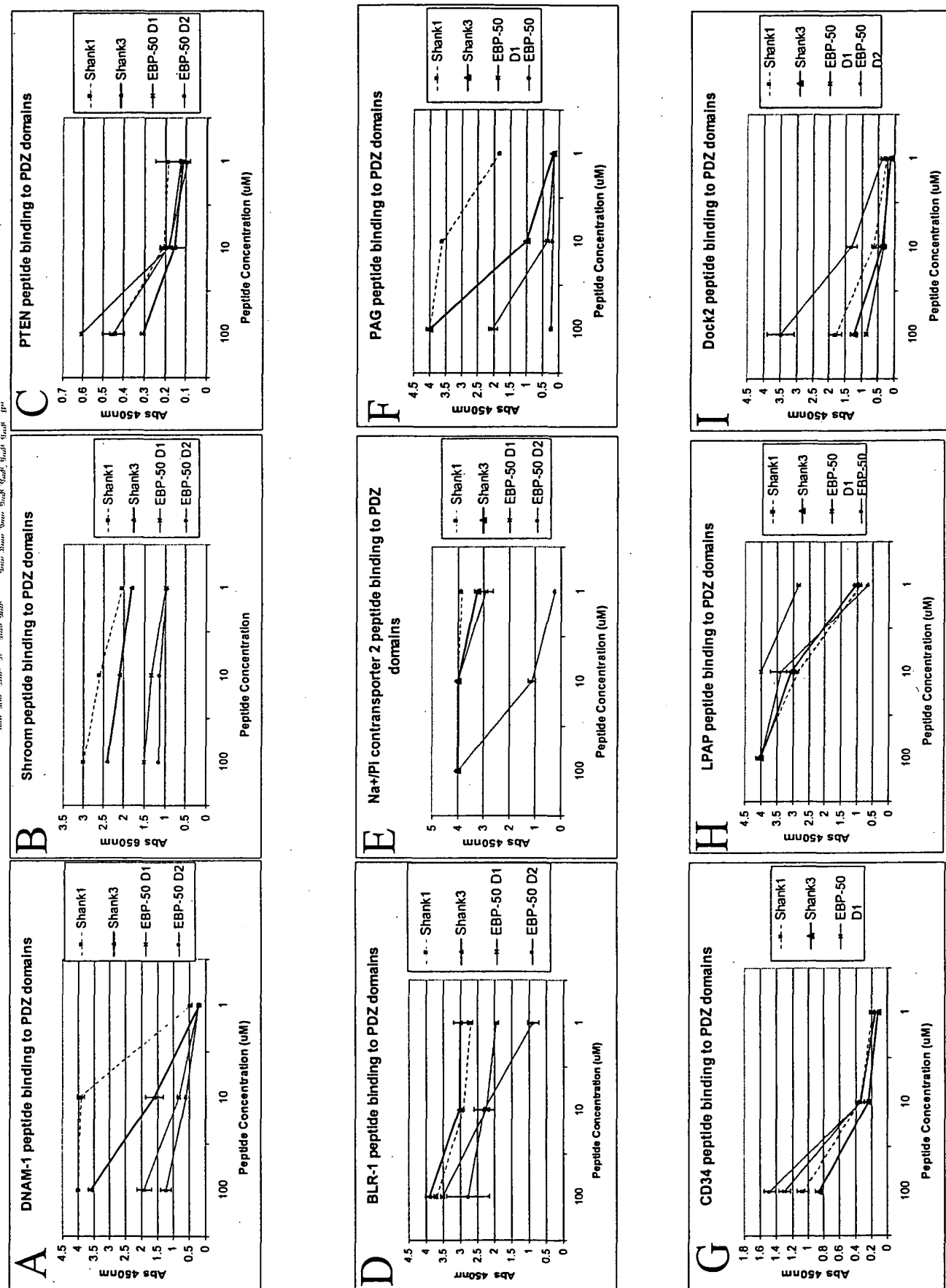
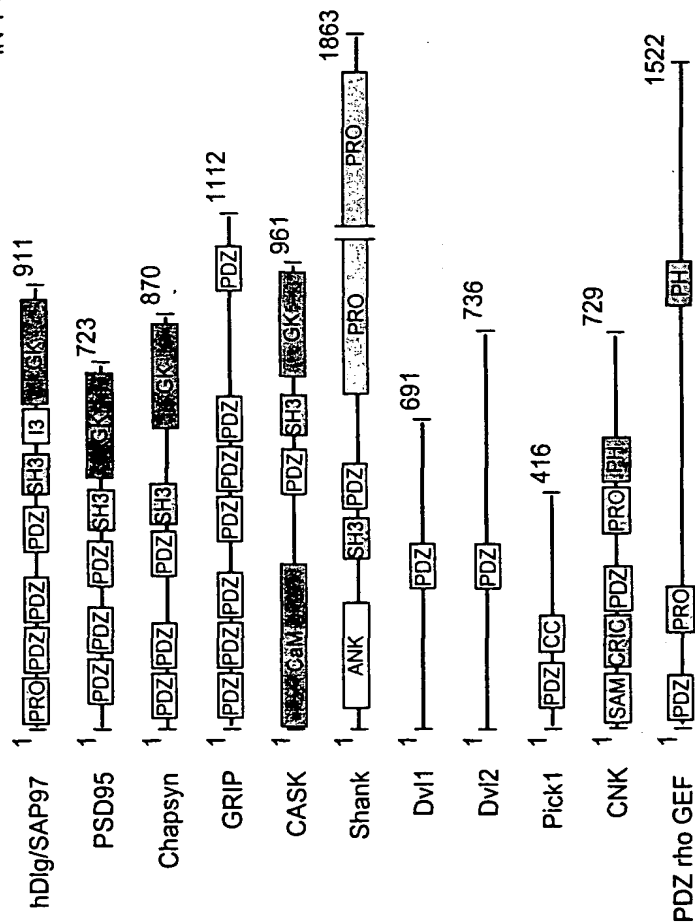


Figure 5

A

PROTEINS CONTAINING PDZ DOMAINS

EXPRESSION
IN T CELLS



B.

+OKT3

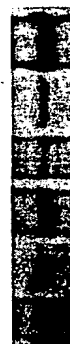
CMD CMD



LAT



Lck



PKCθ



LFA-1



WASP



CSK



GRIP



hDlg-1



CASK



Dvl-2



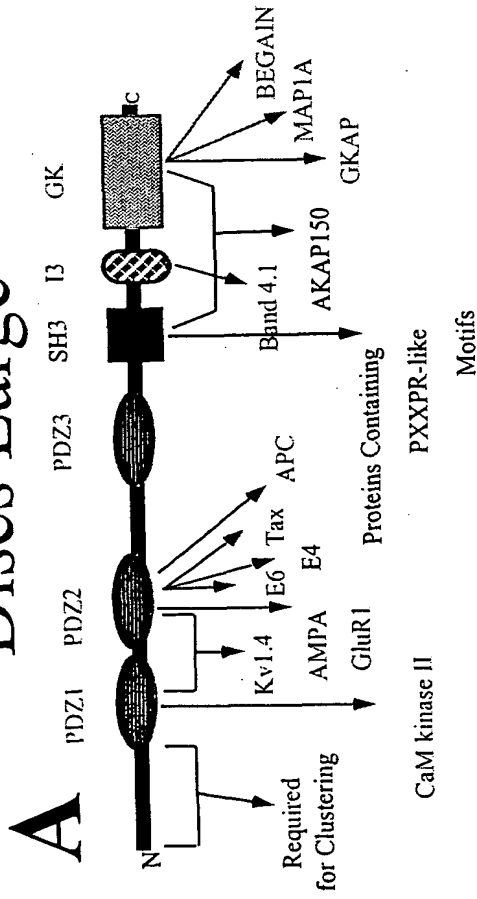
GADS



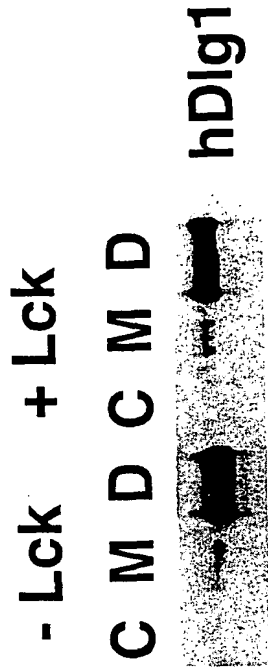
IQGAP

FIG. 6

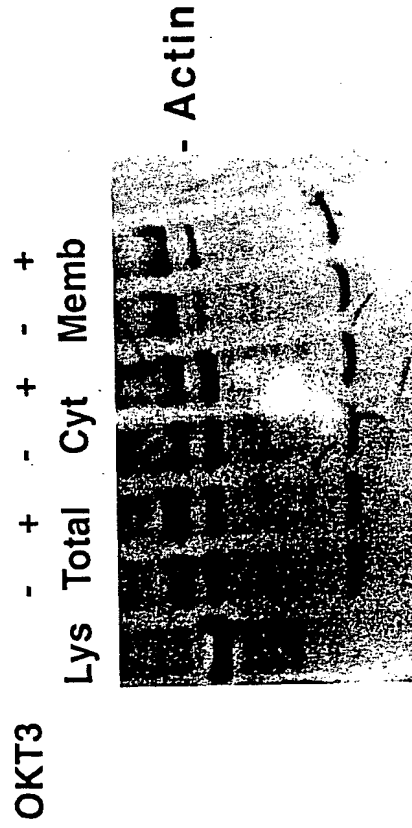
Discs Large



B.



C.



D.

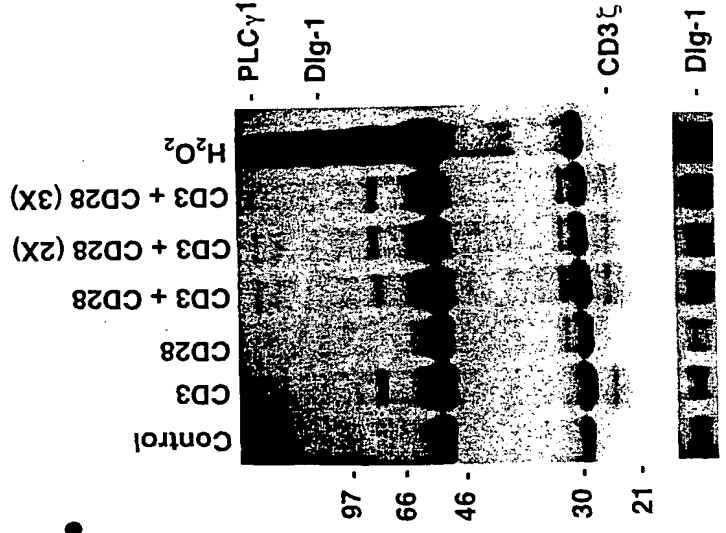


FIG. 7

100 kDa

NGK PDZ1-3 NPDZ1-3 SH3IGK hDlg1 ΔPDZ1-3

Bound
Cbl

hDlg
fusions

Total
Cbl

Multiple
Domains of
Dlg are
Required for
Interaction
with Cbl

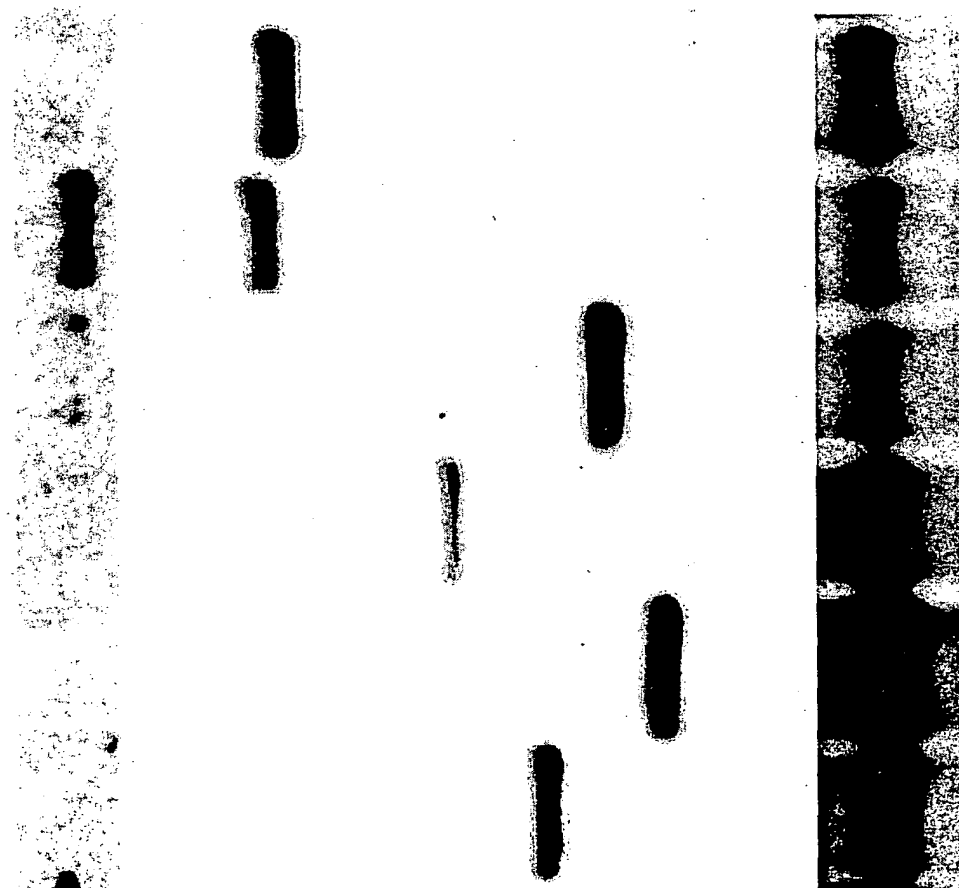


FIG. 8

20057300-1-20050007

Many Important Signaling and Adhesion Molecules Bind Dlg in T cells



Ip: Dlg; Blot: Abs Indicated

FIG. 9

Discs Large Interaction Partners

Discs Large











	<u>Lck</u>	<u>Fyn</u>	<u>Zap70</u>	<u>CD3ζ</u>	<u>LAT</u>	<u>SLP76</u>	<u>Cbl</u>	<u>Vav</u>	<u>cdc42</u>
Dlg	+	-	-	+	+	-	+	-	-

	<u>14-3-3</u>	<u>GADS</u>	<u>Tpl2</u>	<u>CaMKII</u>	<u>LFA-1</u>	β 3 int	<u>VLA2-α</u>	<u>CASK</u>
Dlg	-	-	-	+	+	-	-	+

FIG. 10

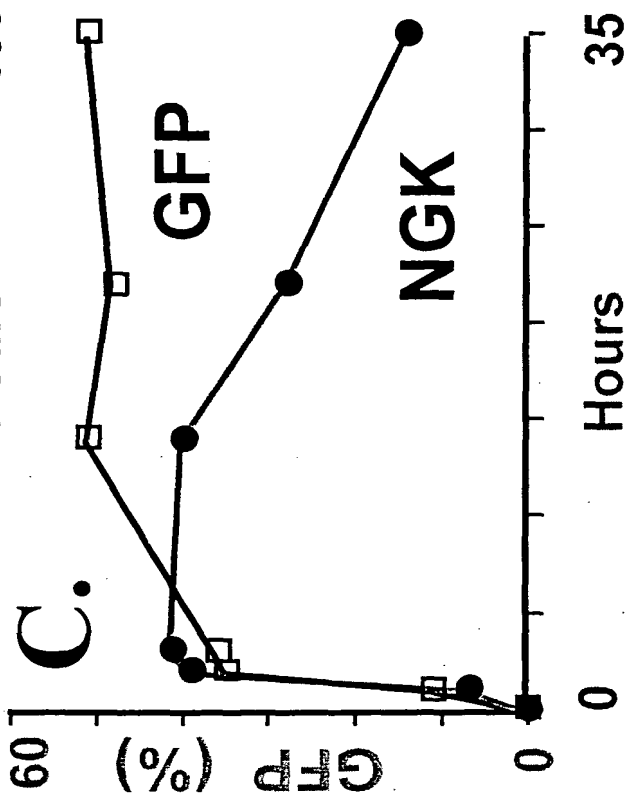
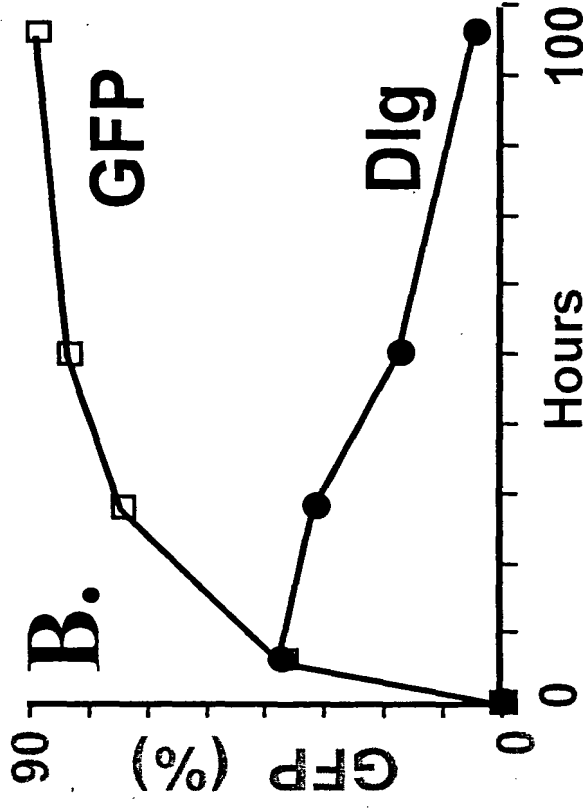
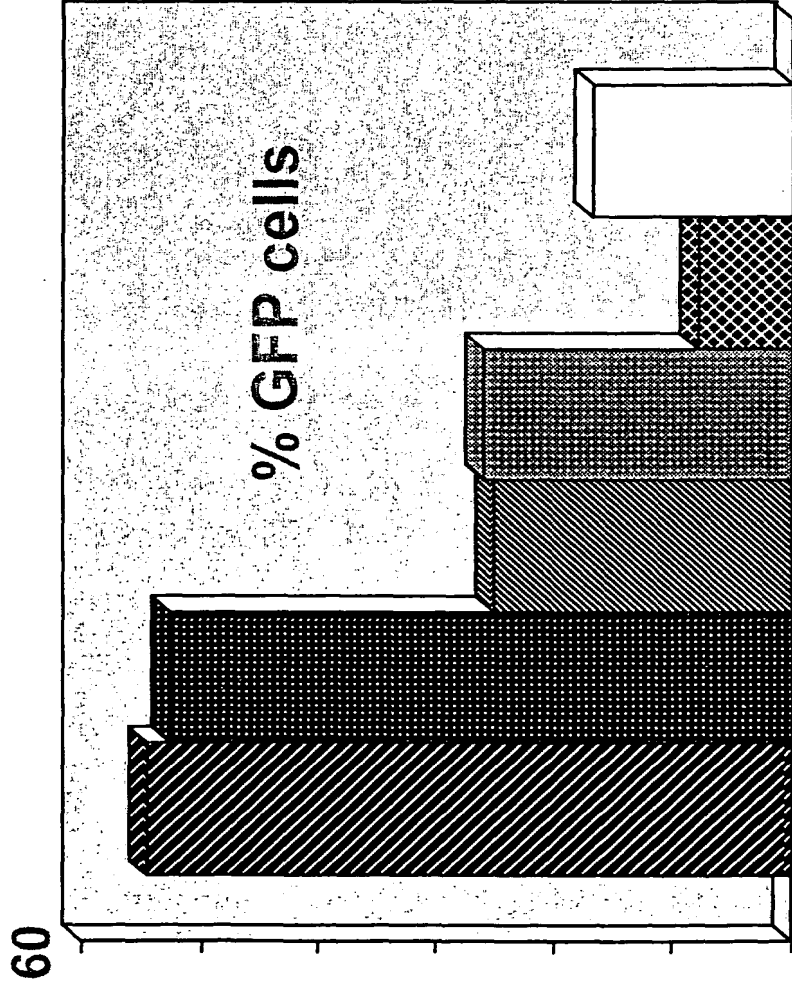
Gross Mapping of Interactions

Lck CD3 LAT Cbl

Dlg		+	+	+	++
GFP		-	-	-	-
NGK		+	+	-	-
GK		-	-	-	-
Dlg(1-218)		+	+	+/-	
NPDZ1-3		+			-
PDZ1-3		-	-	-	-
SH3I3GK		-			+

Discs Large Induces Cell Death

A



Anatomy of the Death Response

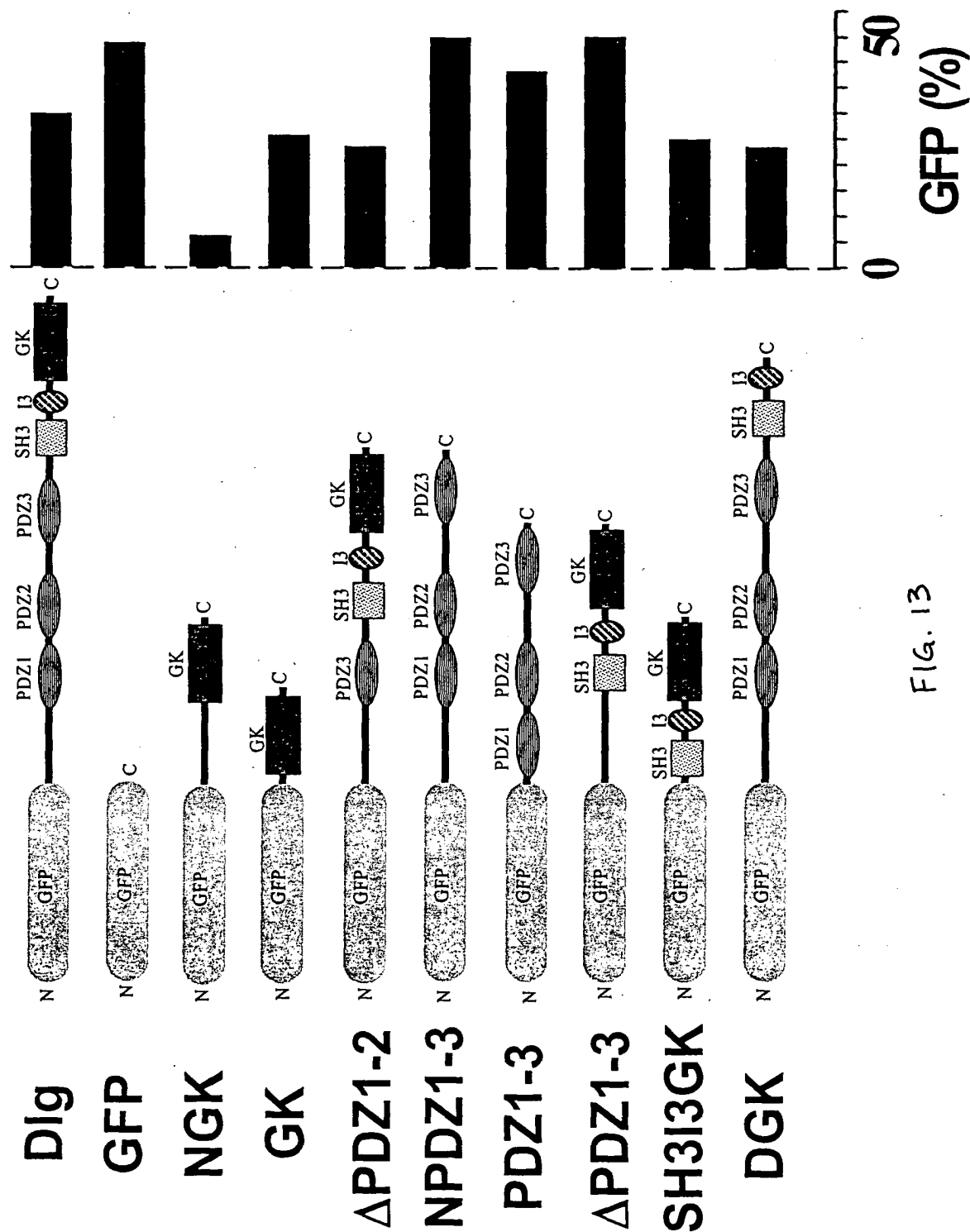
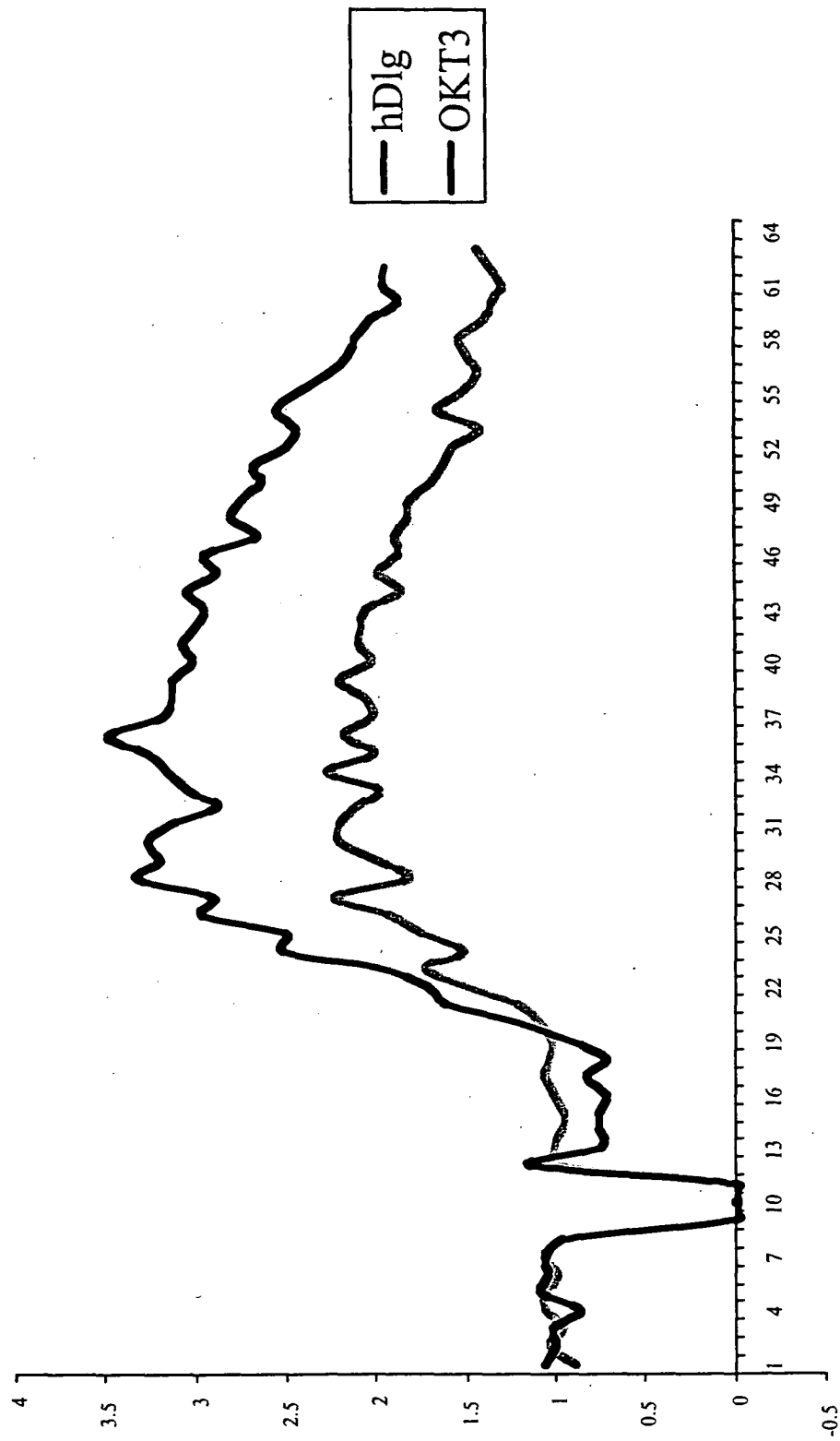


Fig. 13

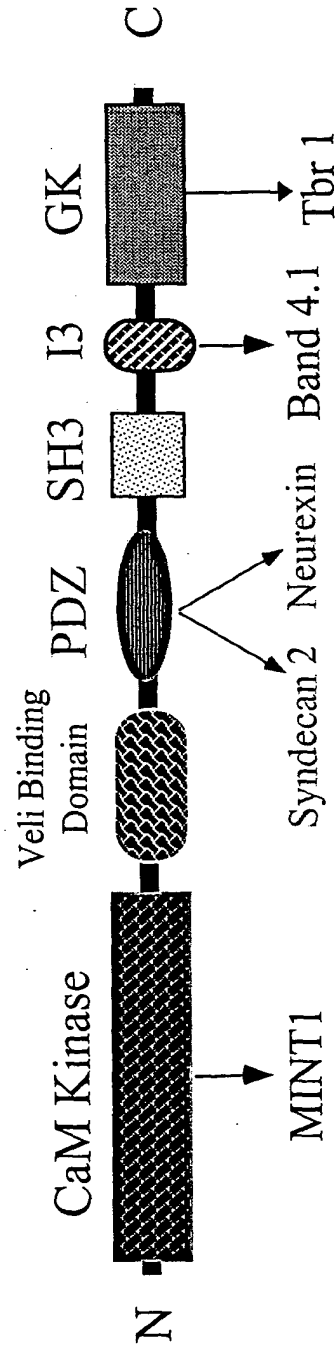
hDlg Attenuates Ca^{++} Mobilization



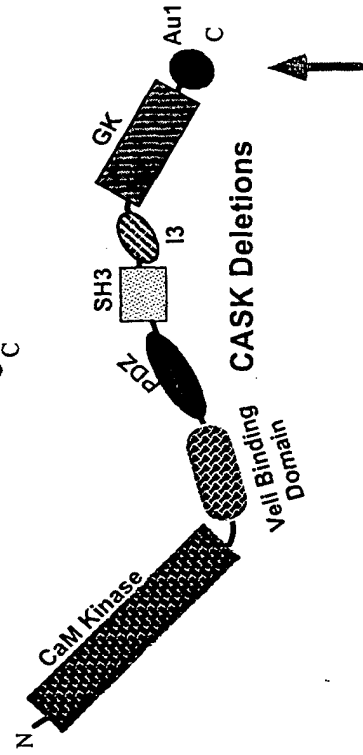
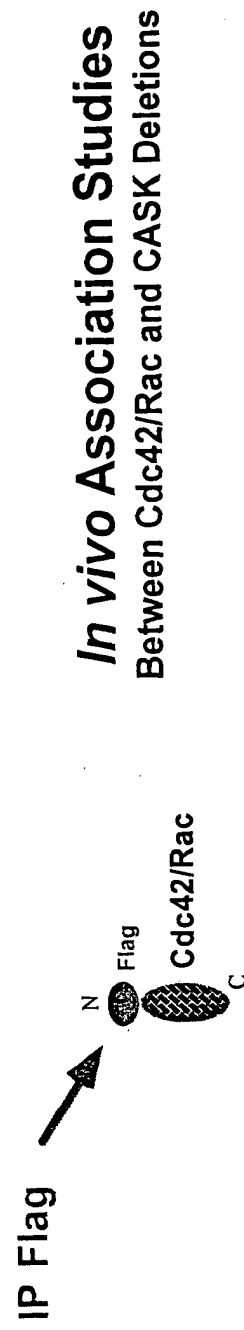
Time in Seconds / 8

FIG. 14

A CASK Domain Structure



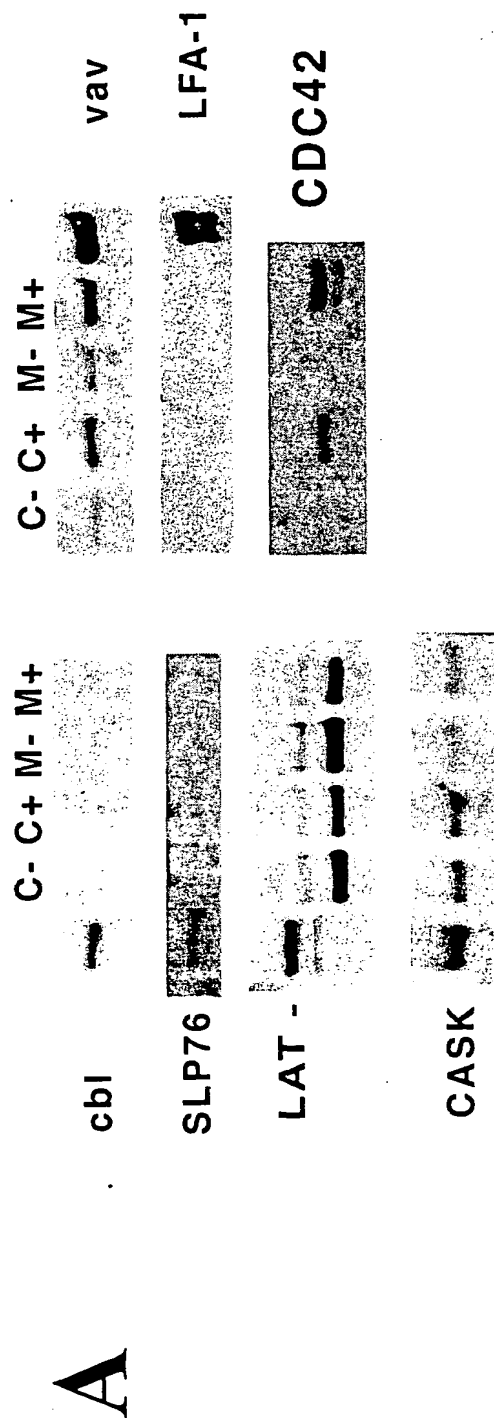
B



Blot for Au1

FIG. 15

CASK interactions in Jurkat cells



CASK interactions in 293T cells

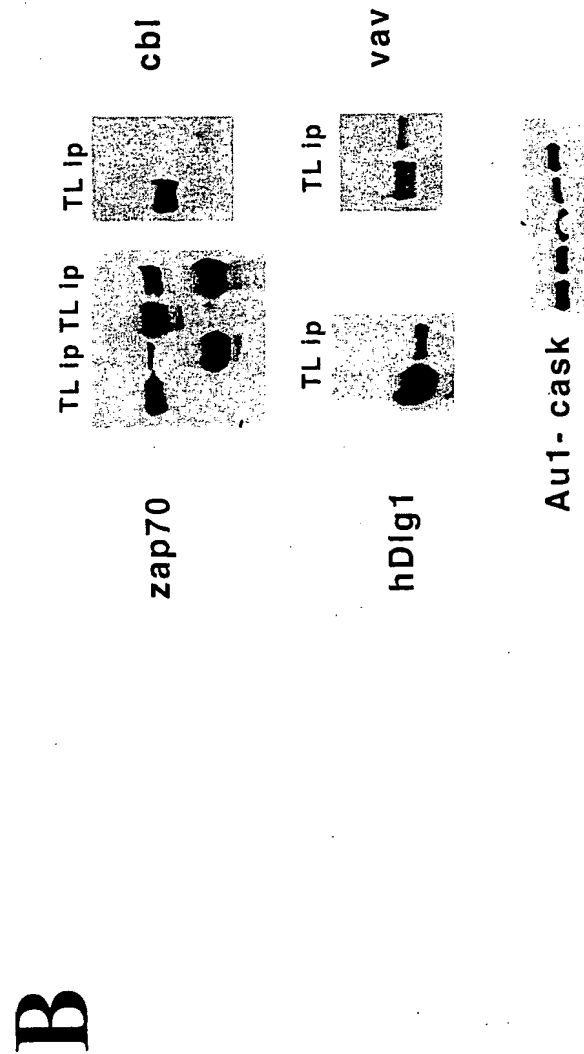


FIG. 16

Activation-Dependent Association of Signaling Molecules with CASK

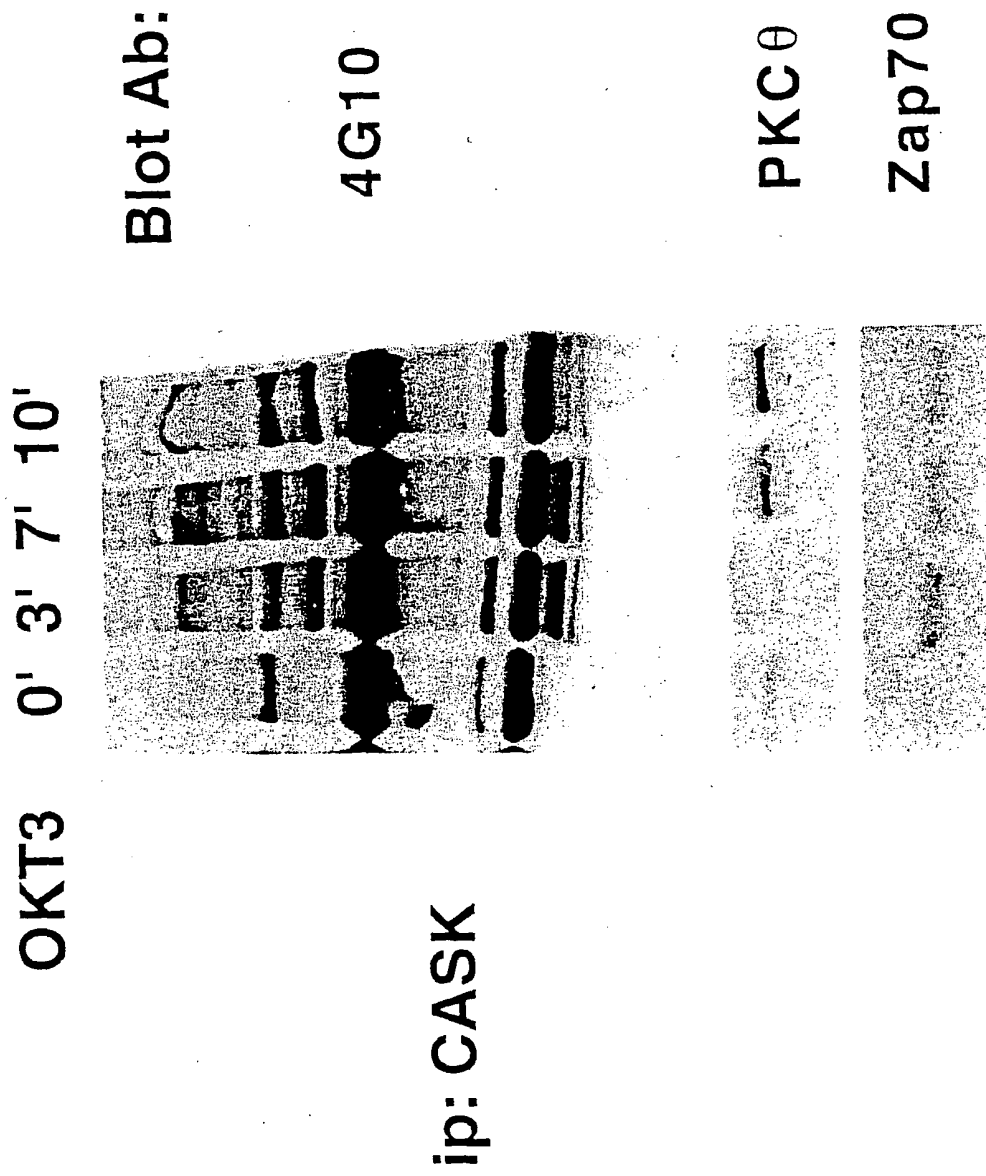


FIG. 17

IP: Cdc42/Rac

Blot: CASK Deletions

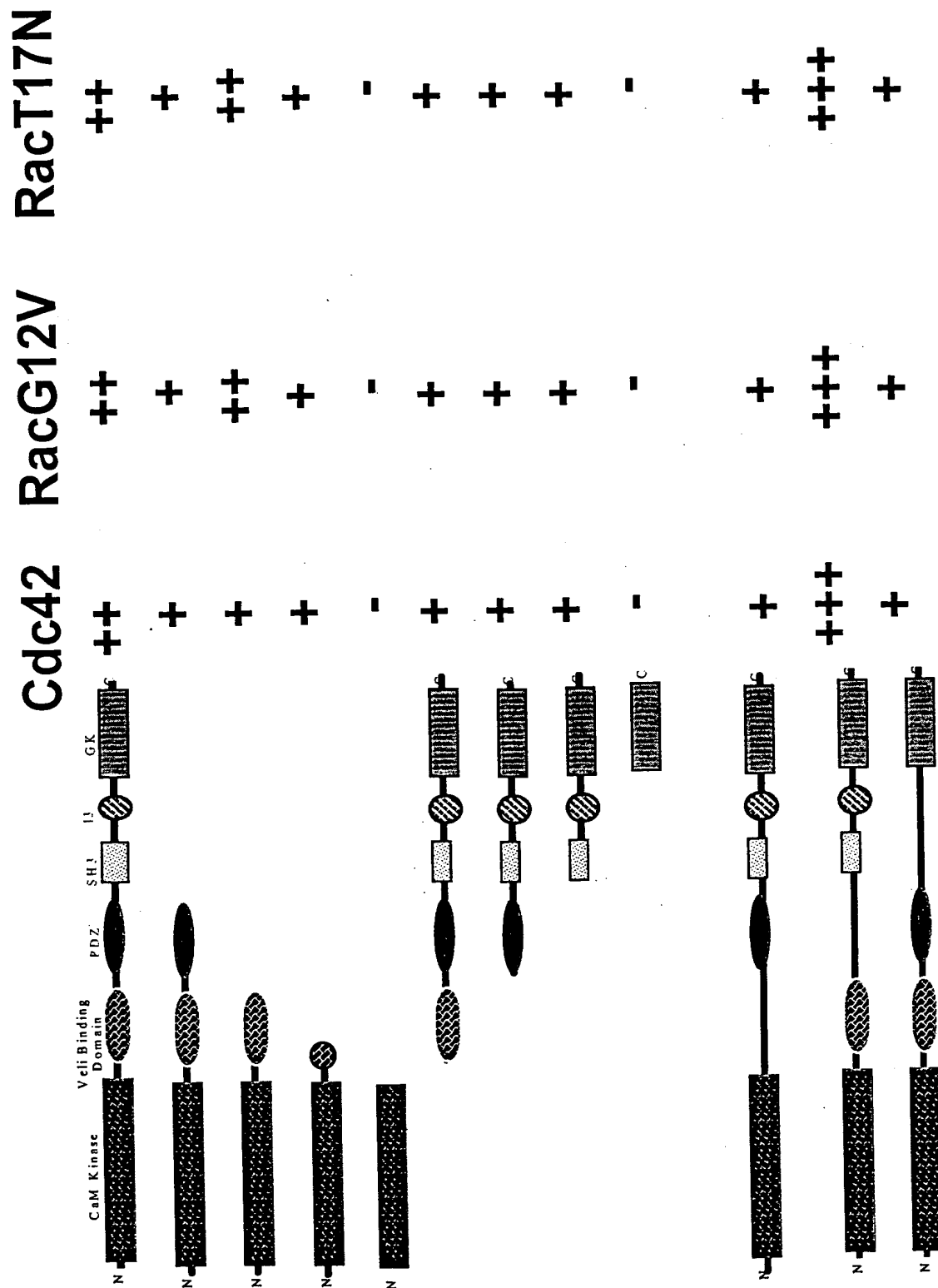


FIG. 18

2005 FEB 23 14:33:33

IP: Cdc42

Blot: CASK Deletions

	1-909	1-600	1-509	1-337	1-909	321-909	481-909	581-909	691-909	DD2	DD3	DD4
--	-------	-------	-------	-------	-------	---------	---------	---------	---------	-----	-----	-----

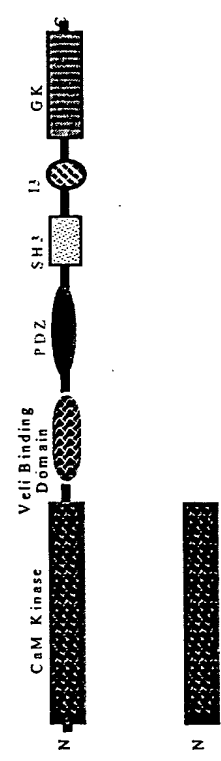
Blot:
CASK

Expression
Control:

CASK

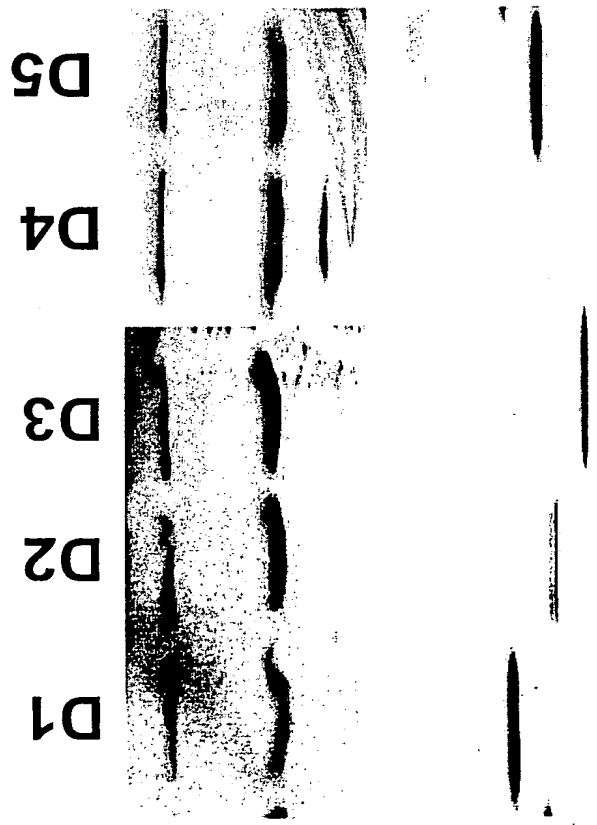
Cdc42

Cdc42 RacG12V RacT17N



A

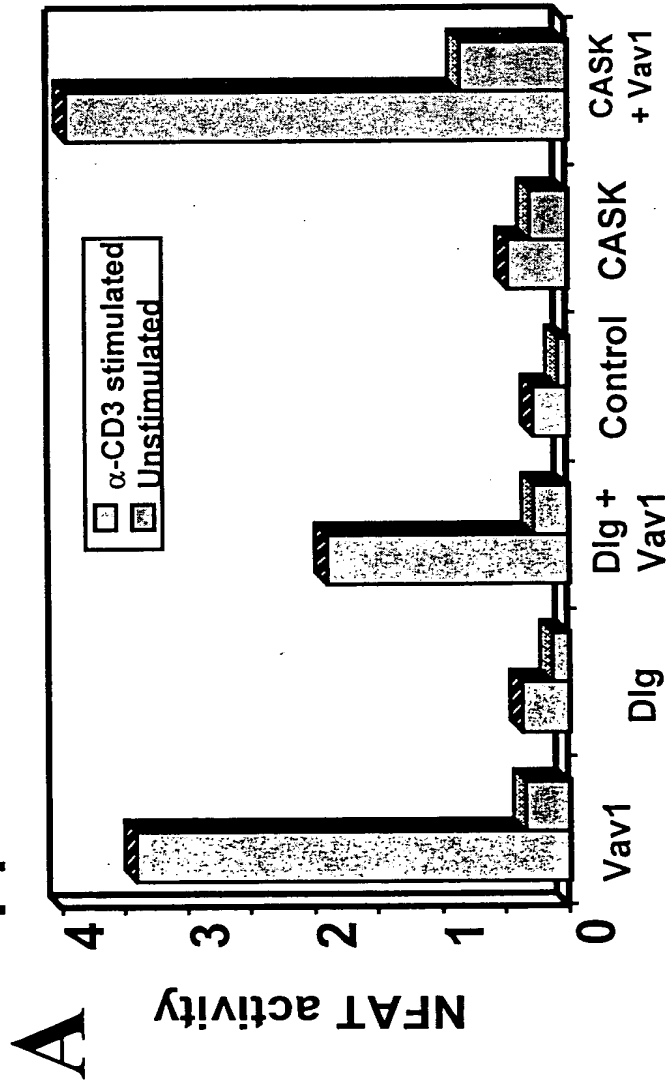
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
+	+	+	+	+
-	-	-	-	-



IP: RacG12V
Blot: CASK Domains

B

Opposite Actions of CASK and Dlg on NFAT



NF-κB Induction
in Jurkat Cells

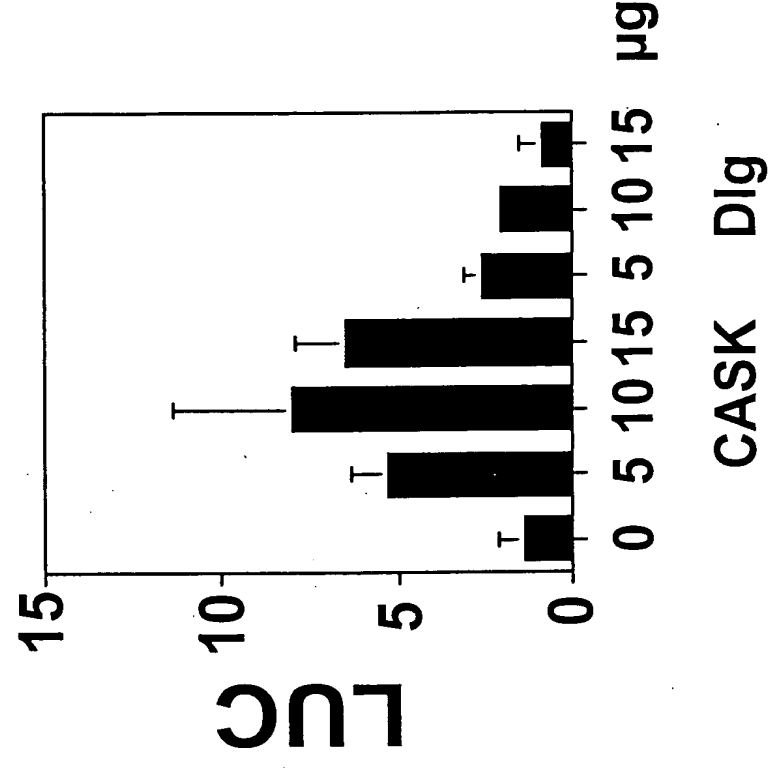
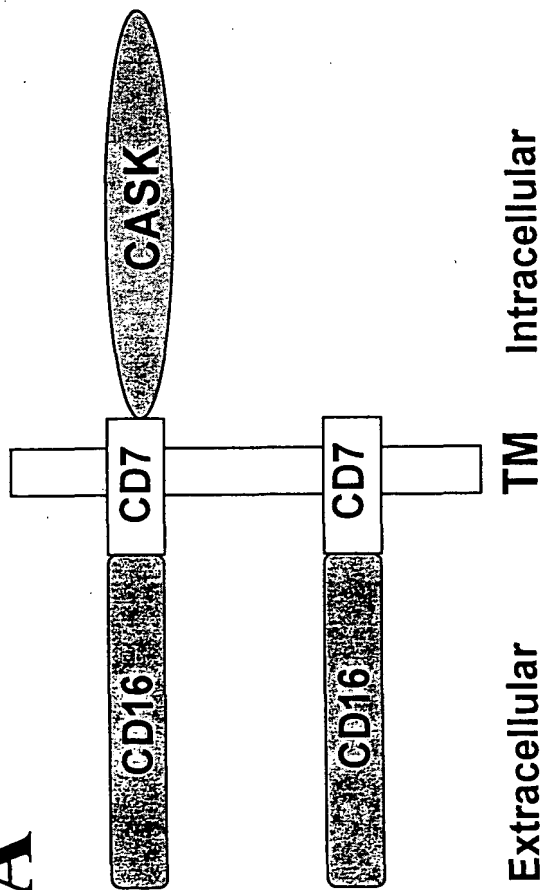


FIG. 21

A



B

16:7:CASK Ca^{++} Mobilization

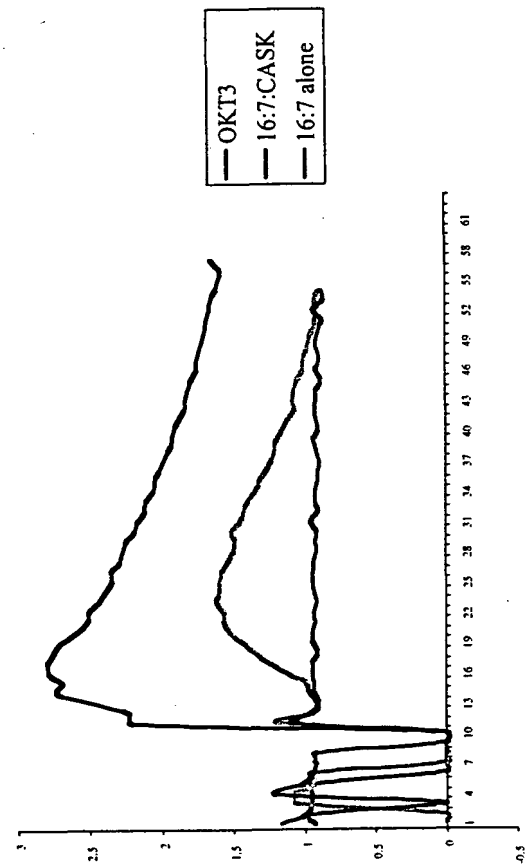
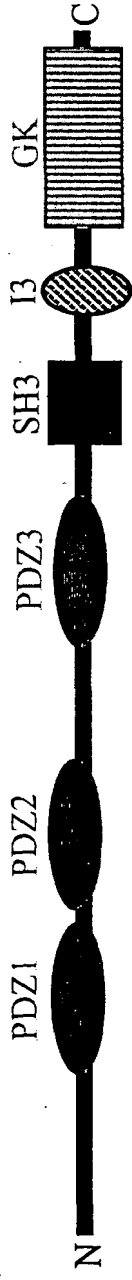


FIG. 22

Dlg and CASK Binding Patterns

Discs Large



Dlg

	<u>Zap70</u>	<u>SLP76</u>	<u>Vav</u>	<u>cdc42</u>
<u>Lck</u>	+	-	+	+
<u>LAT</u>	-	+	-	-
<u>Cbl</u>	-	-	+	+
<u>rac</u>	-	-	+	-
<u>LFA-1</u>	-	-	+	+

CASK

CASK

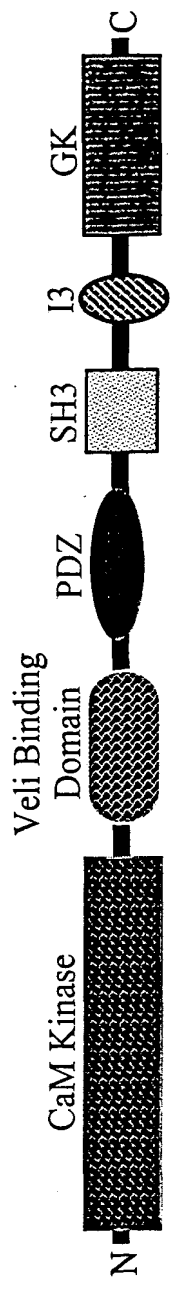


FIG. 23